

OIB - DC-8 10/29/11 Science Report

Aircraft: [DC-8 - AFRC](#) ([See full schedule](#))

Date: Saturday, October 29, 2011

Mission: OIB

Mission Summary:

This is an old format science report that was automatically transferred in its original format.

Submitted by: Jhony R. Zavaleta on 10/30/11

File:

 [IceBridge_2011-10-29_DC-8_Report.pdf](#)

Related Flight Report:

DC-8 10/29/11

Flight Number: 120116

Payload Configuration: DC-8 OIB Deployment - Chile 2011

Nav Data Collected: Yes

Total Flight Time: 11.6 hours

Comments: Science flight over the Recovery Glacier area southeast of the peninsula region. Data collection altitude was approximately 1500 ft AGL where ATM, DMS, Ku radar, Snow radar, MCords radar and Gravimeter collected data. In route cruise altitude to start of data runs was FL330/350 and return flight was at FL400. Data start/stop times (UTC) on each data ground track were approximately 1601/1620, 1626/1645, 1651/1709, 1715/1733, 1739/1758, 1803/1822, & 1827/1846. Weather at Recovery Glacier was clear with light winds allowing for 100% data collected on each ground track. After completing all data tracks then the return course was altered to cross all ground tracks while maintain 1500 AGL and a true heading of ~ 300 deg until crossing the Cape Recovery ice feature at 1912. A single calibration ramp pass was accomplished at 2331 just prior to landing. Takeoff 302 11 59 46, landing 302 23 31 50. 3.5 hrs science data collection.

Submitted by: Frank Cutler on 11/16/11

Flight Segments:

From:	Punta Arenas, Chile	To:	Punta Arenas, Chile
Start:	10/29/11 11:59 Z	Finish:	10/29/11 23:36 Z
Flight Time:	11.6 hours		
Log Number:	128005	PI:	Michael Studinger
Funding Source:	Bruce Tagg - NASA - SMD - ESD Airborne Science Program		
Purpose of Flight:	Science		

Flight Hour Summary:

	118008	128005
Flight Hours Approved in SOFRS		356
Total Used	0	308.7
Total Remaining		47.3

128005 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
10/04/11	120101	Check	2.7	2.7	353.3	
10/05/11	120102	Check	3.6	6.3	349.7	
10/09/11 - 10/10/11	120103	Ferry	10.4	16.7	339.3	
10/10/11	120104	Ferry	3.3	20	336	
10/12/11	120105	Science	11.9	31.9	324.1	
10/13/11	120106	Science	11.2	43.1	312.9	
10/14/11	120107	Science	11.5	54.6	301.4	
10/17/11	120108	Science	11.5	66.1	289.9	

10/18/11	120109	Science	11	77.1	278.9
10/20/11	120110	Science	11.7	88.8	267.2
10/21/11	120111	Science	11	99.8	256.2
10/23/11	120112	Science	11.8	111.6	244.4
10/24/11	120113	Science	10.7	122.3	233.7
10/25/11	120114	Science	11.5	133.8	222.2
10/26/11	120115	Science	11.3	145.1	210.9
10/29/11	120116	Science	11.6	156.7	199.3
10/30/11	120117	Science	11.7	168.4	187.6
11/03/11	120118	Science	11.7	180.1	175.9
11/04/11 - 11/05/11	120119	Science	11.6	191.7	164.3
11/07/11	120120	Science	12	203.7	152.3
11/09/11 - 11/10/11	120121	Science	12.5	216.2	139.8
11/11/11 - 11/12/11	120122	Science	11	227.2	128.8
11/12/11 - 11/13/11	120123	Science	11.6	238.8	117.2
11/13/11	120124	Science	11.2	250	106
11/14/11	120125	Science	9.7	259.7	96.3
11/16/11	120126	Science	11.8	271.5	84.5
11/17/11	120127	Science	11.2	282.7	73.3
11/19/11	120128	Science	11.1	293.8	62.2
11/22/11	120131	Ferry	0.4	294.2	61.8
11/22/11	120129	Ferry	3.3	297.5	58.5
11/22/11 - 11/23/11	120130	Ferry	11.1	308.6	47.4

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Page Editor: Brad Bulger

NASA Official: Bruce A. Tagg

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.